

**METHOD FOR VALIDATING SYSTEM
CONFIGURATION IN A MASS CUSTOMIZED
ENVIRONMENT**

ABSTRACT OF THE DISCLOSURE

5 A method for validating a specific device configuration when the set of all valid configurations is too large to practically enumerate. The method comprises the steps of selecting a set of components to be included in the device configuration, wherein the set has a single sink component in the set with only sink interfaces; defining an interface for each component, wherein
10 each component is characterized as having a source or a sink property; and establishing connections between components based on the interface of each component. Connections are validated by ensuring that source and sink components have the same property values. Connections are established by verifying that the capacity of the sink is greater than or equal to the capacity of
15 the source, and determining that for each source property there is one sink property with the same value and for each source property that there is one sink property with the same value.